

IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1.-42. (canceled)

43. (currently amended) A system for guiding the resection of a patient's bone during arthroplasty, said system comprising a resection guide adapted for guiding a cutting device relative to a patient's bone during arthroplasty, an alignment guide coupled to said resection guide and adapted for attachment to the patient's bone, said alignment guide including a first assembly for positioning said resection guide along a translational path, a second assembly for positioning said resection guide along a first rotational path, and a third assembly for positioning said resection guide along a second rotational path, and a computer navigation system coupled to said resection guide, the system further including an anchoring pin adapted to secure said alignment guide to a patient's bone.

44. (previously presented) A system of claim 43, wherein said first and second rotational paths are about different axes.

45. (previously presented) A system of claim 44, wherein said axes are transverse to each other.

46. (previously presented) A system of claim 43, wherein said first, second and third assemblies each include a locking device for securing said resection guide along said translational path and said first and second rotational paths.

47. (canceled)

48. (previously presented) A system of claim 43, further including a computer navigation tracker coupled to said resection guide.

49. (previously presented) A system of claim 43, further comprising a plane probe, said plane probe including a planar

surface and coupling means for coupling said plane probe to a computer navigation tracker.

50. (currently amended) A system for guiding the resection of a patient's bone during arthroplasty, said system comprising a resection guide adapted for guiding a cutting device relative to a patient's bone during arthroplasty, an alignment guide coupled to said resection guide and adapted for attachment to the patient's bone, said alignment guide including a first assembly for positioning said resection guide along a translational path and a second assembly for positioning said resection guide along a first rotational path and a second rotational path, and a computer navigation system coupled to said resection guide, the system further including an anchoring pin adapted to secure said alignment guide to a patient's bone.

51. (previously presented) A system of claim 50, wherein said first and second rotational paths are about different axes.

52. (previously presented) A system of claim 51, wherein said axes are transverse to each other.

53. (previously presented) A system of claim 50, wherein said first and second assemblies each include a locking device for securing said resection guide along said translational path and said first and second rotational paths.

54. (canceled)

55. (previously presented) A system of claim 50, further including a computer navigation tracker coupled to said resection guide.

56. (previously presented) A system according to claim 50, further comprising a plane probe, said plane probe including a planar surface and coupling means for coupling said plane probe to a computer navigation tracker.

57. (currently amended) A system for guiding the resection of a patient's bone during arthroplasty, said system comprising a resection guide adapted for guiding a cutting device relative

to a patient's bone during arthroplasty, an alignment guide coupled to said resection guide and adapted for attachment to the patient's bone, said alignment guide including a first assembly for positioning said resection guide along a translational path and a second assembly for positioning said resection guide along a first rotational path and along a second rotational path, and a computer navigation system coupled to said resection guide, the system further including an anchoring pin adapted to secure said alignment guide to a patient's bone.

58. (previously presented) A system of claim 57, wherein said first and second rotational paths are about different axes.

59. (previously presented) A system of claim 58, wherein said axes are transverse to each other.

60. (previously presented) A system of claim 57, wherein said first and second assemblies each include a locking device for securing said resection guide along said translational path and said first and second rotational paths.

61. (canceled)

62. (previously presented) A system of claim 57, further including a computer navigation tracker coupled to said resection guide.

63. (previously presented) A system according to claim 57, further comprising a plane probe, said plane probe including a planar surface and coupling means for coupling said plane probe to a computer navigation tracker.

64. (currently amended) A system for guiding the resection of a patient's bone during arthroplasty, said system comprising a resection guide adapted for guiding a cutting device relative to a patient's bone during arthroplasty, an alignment guide adapted for attachment to the patient's bone and adapted for positioning said resection guide along a translational path and along a plurality of rotational paths, and a computer navigation system coupled to said resection guide, the system further

including an anchoring pin adapted to secure said alignment guide to a patient's bone.

65. (previously presented) A system of claim 64, wherein said plurality of rotational paths are about different axes.

66. (previously presented) A system of claim 65, wherein said axes are transverse to each other.

67. (previously presented) A system of claim 64, wherein said alignment guide includes first and second assemblies each including at least one locking device.

68. (previously presented) A system of claim 67, wherein said locking device of said first assembly is adapted for securing said resection guide along said translational path.

69. (previously presented) A system of claim 67, wherein said locking device of said second assembly is adapted for securing said resection guide along said plurality of rotational paths.

70. (previously presented) A system of claim 69, wherein said second assembly includes a pair of locking devices, each of said locking devices adapted for securing said resection guide along separate rotational paths.

71. (canceled)

72. (previously presented) A system of claim 64, further including a plane probe.

73. (previously presented) A system according to claim 63, further comprising a plane probe, said plane probe including a planar surface and coupling means for coupling said plane probe to a computer navigation tracker.

74.-81. (canceled)